

ABSTRACT

HAMMER

An electrically hammer comprising a hollow spindle, a piston, and an intermediate shaft. A wobble drive arrangement includes a wobble sleeve rotatably mounted on the intermediate shaft. A mode change element is selectively engageable, by movement along the intermediate shaft, with a set of drive teeth provided on the intermediate shaft and a set of driven teeth provided on the wobble sleeve. When the mode change element is engaged with both sets of teeth it transmits rotary drive from the intermediate shaft to the wobble sleeve so that the wobble sleeve arrangement reciprocatingly drives the piston. A mode change ring is formed integrally with an axial stop surface and the axial stop surface is engageable with a cooperating end stop surface formed integrally with one of the intermediate shaft and the wobble sleeve to limit the movement of the mode change element along the intermediate shaft.